

APR21-2021-000222

Abstract for an Invited Paper
for the APR21 Meeting of
the American Physical Society

Searches for Long-lived Particles at the LHC¹

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The LHC program of searching for physics beyond the standard model has only yielded a panoply of exclusions. Increased attention has been placed on signatures of long-lived particles that don't promptly decay as assumed in most data analyses. While such signatures can be very well motivated, they present serious experimental challenges from object reconstruction inefficiencies to computational limitations and the lack of useful standard candles. An overview of the topic and a summary of recent highlights in this program will be presented.

¹DOE DE-SC0007881